

Open-Air Visual Display System - Public Disclosure Version

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Disclosure Type: Non-commercial Public Disclosure

This invention is patent pending under a provisional patent application filed with the United States Patent and Trademark Office. As of this date, the technical concept and supporting materials are disclosed for the purpose of establishing prior art and enabling public understanding of the invention. Non-commercial public use is permitted. Commercial use or derivative works require a formal licensing agreement from the inventor.

Summary of Invention

The invention relates to a novel open-air visual display system that enables audio-synchronized light-based imagery viewable only through specially designed optical glasses. The technology eliminates the need for fog, drones, or traditional projection surfaces, making it ideal for immersive public entertainment, AR/VR enhancement, live event visuals, and spatial computing applications.

Key Features

- Audio-synchronized, real-time light-based visual display system
- Optimized for use in open-air or semi-dark environments
- Viewable exclusively through diffraction-encoded or optically tuned glasses
- Scalable from small personal displays to theme park-wide experiences
- Potential uses include theme parks (Disney), retail (e.g., Louis Vuitton), AR gaming (Meta), and tech-integrated eyewear (Apple, Luxottica)

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